## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## LISTING OF CLAIMS:

- 1. (currently amended) A piezoceramic composition with the general molecular formula  $Pb_{1-a}RE_bZr_xTi_yTR_zO_3$ , where a, x and y are each greater than 0, b is a rare earth metal proportion and z is a transition metal proportion, 1-a is greater than  $0_7$  and the rare earth metal proportion b is selected from a range of 0.2 mol% to 3 mol%, in which
- RE is at least one rare earth metal selected from the group consisting of europium, gadolinium, lanthanum, neodymium, praseodymium, promethium and samarium with the rare earth metal proportion b,
- TR is at least one transition metal selected from the group consisting of chromium, iron and manganese with a transition metal valency  $W_{TR}$  and the transition metal proportion z and
- a following relationship applies:  $z > b/(4 W_{TR})$ , wherein the piezoceramic composition is a lead zirconate/titanate (PZT) piezoceramic composition.

## (canceled)

- 3. (previously presented) The piezoceramic composition in accordance with claim 1, wherein a sum of the rare earth metal proportion and of the transition metal proportion z is less than 6 mol%.
- 4. (previously presented) The piezoceramic composition in accordance with claim 1, wherein the RE is a single rare earth metal and TR is selected from at most two transition metals or TR is a single transition metal and RE is selected from at most two rare earth metals.
- 5. (previously presented) The piezoceramic composition in accordance with claim 1, wherein a value for a mechanical quality factor  $Q_m$  is selected from a range of 50 up to and including 1800.
- 6. (previously presented) The piezoceramic composition in accordance with claim 1, wherein the composition has a Curie-temperature  $T_{\rm c}$  lying above 280°C.

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7-9. (canceled)

- 10. (previously presented) A piezoceramic body with a piezoceramic composition in accordance with claim 1.
- 11. (previously presented) The piezoceramic body in accordance with claim 10, wherein a metallization is selected from at least one of the group consisting of silver, copper and palladium.
- 12. (previously presented) The piezoceramic body in accordance with claim 11, wherein a proportion of palladium is selected ranging from 0% up to and including 30%.
- 13. (previously presented) The piezoceramic body in accordance with claim 12, wherein the proportion of palladium amounts to a maximum of 5%.
- 14. (previously presented) The piezoceramic body in accordance with claim 10, wherein a monolithic multilayer construction in which piezoceramic layers with the piezoceramic

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composition and electrode layers with the metallization are arranged alternating above one another.

- 15. (previously presented) The piezoceramic body in accordance with claim 10, which is a component selected from the group consisting of an actuator, a bending converter, a motor and a transformer.
- 16. (previously presented) A method for producing a piezoceramic body, comprising:

providing a green body with a piezoceramic composition in accordance with claim 1; and

sintering the green body to the piezoceramic body.

17. (previously presented) The method in accordance with claim 16, wherein the green body is provided with a metallization which is at least one selected from the group consisting of silver, copper and palladium.

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- 18. (previously presented) The method in accordance with claim 16, wherein the sintering is undertaken in an oxidizing or reducing sinter atmosphere.
- 19. (previously presented) The method in accordance with claim 16, wherein a sinter temperature ranging from 900°C to 1100°C inclusive is selected for sintering.
- 20. (previously presented) The method in accordance with claim 16, wherein the green body with a plurality of particle growth seeds is used with the piezoceramic composition.
- 21. (previously presented) The piezoceramic composition in accordance with claim 1, wherein x and y are selected such that a morphotropic tetragonal rhomboidrical phase boundary yields piezoceramic properties of the piezoceramic composition.
  - 22. (canceled)
  - 23. (canceled)
  - 24. (canceled)